

[PDF] NightWatch: A Practical Guide To Viewing The Universe

Terence Dickinson - pdf download free book



As with all nebulae, the most conspicuous shell surrounds the central star. In the case of the Ring, the shell is composed of gas and dust, and is held together by the force of its own gravity. The gas is ionized, and the light it emits is the result of the recombination of electrons and ions. The color of the light is determined by the chemical composition of the gas. The Ring is a typical example of a planetary nebula, and is one of the most beautiful objects in the sky.



To reduce the amount of light entering the telescope, the objective lens is coated with a thin layer of aluminum. This coating reduces the amount of light that is reflected back into the telescope, and thus increases the amount of light that reaches the eyepiece. The coating is also used to protect the lens from damage.



The telescope is a device that allows us to see objects that are too far away to see with the naked eye. It does this by collecting light from the object and focusing it into a small area, where it can be seen. The amount of light that is collected depends on the size of the objective lens. The larger the lens, the more light is collected, and the brighter the object will appear.

An Ideal Beginner's Telescope

There are many factors to consider when choosing a telescope. The most important factors are the size of the objective lens, the focal length, and the type of mount. A telescope with a large objective lens will collect more light, and thus provide a brighter view. A longer focal length will provide a higher magnification, but will also be more expensive. A telescope with a good mount will be easier to use and will provide a more stable view.



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Description:

Revised Fourth Edition: updated for use through 2025.

The first three editions of **NightWatch** sold more than 600,000 copies, making it the top-selling stargazing guide in the world for the last 20 years. The key feature of this classic title is the section of star charts that are cherished by backyard astronomers everywhere. Each new edition has outsold the previous one because of thorough revisions and additional new material.

NightWatch has been acclaimed as the best general interest introduction to astronomy. The fourth edition has improvements over the 3rd edition in every chapter,

including:

- The famous charts, ideal for stargazers using a small telescope or binoculars
- A complete update of the equipment section, including computerized telescopes
- An enlarged photography section, including how-to instructions for using the new generation of digital cameras for astronomical photography, both with and without a telescope
- The tables of future solar and lunar eclipses, planetary conjunctions and planet locations, updated through 2025.

This edition includes star charts for use in the southern hemisphere. There are also dozens of new photographs throughout the book that show the latest thrilling discoveries made by current space observatories and probes.

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